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- (71) Applicant (for all designated States except US): **UNIVERSITY OF SUSSEX** [GB/GB]; Falmer, Brighton, Sussex BN1 9QG (GB).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): **WOOLFSON**, Derek, N. [GB/GB]; University of Sussex, Falmer, Brighton, Sussex BN1 9QG (GB). **PANDYA**, Maya, J. [GB/GB]; University of Sussex, Falmer, Brighton, Sussex BN1 9QG (GB).
- (74) Agents: **TOMBLING**, Adrian, George et al.; Withers & Rogers, Goldings House, 2 Hays Lane, London SE1 2HW (GB).
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(57) Abstract: The present invention relates to peptides that switch between 2 structural states in response to the presence or absence of a stimulus. The present invention also relates to the use of the peptides of the present invention in an assay to detect the presence or absence of a stimulus. The present invention also relates to a method for constructing the peptides of the present invention.

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